

516, 371  
10/516371

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

Ree'd PCTO 29 NOV 2004

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
11 December 2003 (11.12.2003)

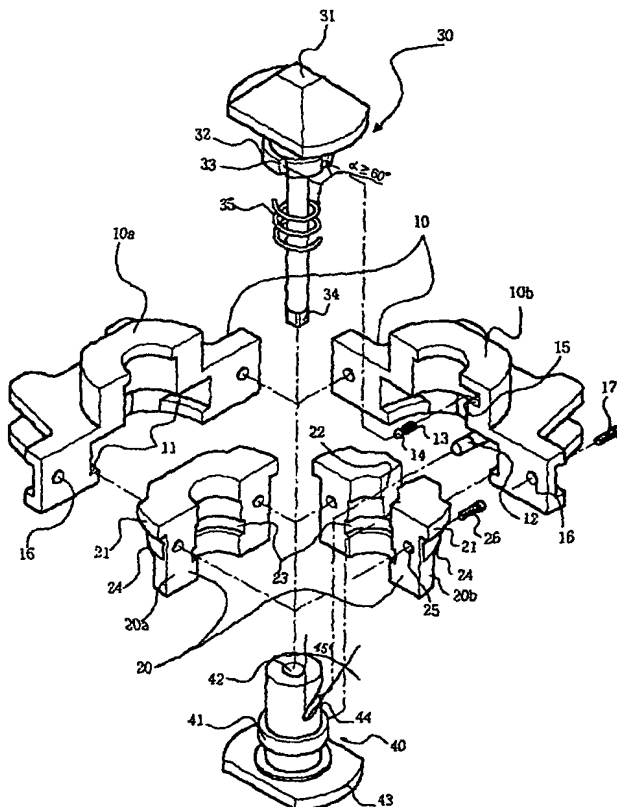
PCT

(10) International Publication Number  
WO 03/101823 A1

- (51) International Patent Classification<sup>7</sup>: **B63B 25/24**
- (21) International Application Number: PCT/KR03/00063
- (22) International Filing Date: 13 January 2003 (13.01.2003)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data:  
10-2002-30383 30 May 2002 (30.05.2002) KR
- (71) Applicant (for all designated States except US):  
**TAEYANG ELECTRONIC CO., LTD.** [KR/KR];  
39-1, Geumsa-dong, Geumjeong-gu, 609-809 Busan (KR).
- (71) Applicant and  
(72) Inventor: **PARK, Se-Jong** [KR/KR]; 103-1114, Byeongsamil Apt., 529-2, Namoe-dong, Jung-gu, 681-270 Ulsan (KR).
- (74) Agent: **HONG, Jae-IL**; MAC patent & Law Firm 5th Floor, Hwaseung Bldg, 15-3 Yangjae-dong, Seocho-ku, Seoul 137-130 (KR).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: APPARATUS FOR AUTOMATICALLY LOCKING THE SHIP CONTAINER



(57) Abstract: An apparatus for automatically locking ship containers. The apparatus has a housing having a pair of housing halves which are symmetrical to each other, an operating element having a pair of operating element halves which are symmetrical to each other and assembled with each other in the housing, and upper and lower lockers which are assembled with each other in the operating element. By operating the upper and lower lockers using a weight of a container, it is possible to lock and unlock containers loaded on a ship to and from each other.

WO 03/101823 A1